

# Notice of Allowability

Application No.

10/009,335

Examiner

George Davis

Applicant(s)

MULLER ET AL.

Art Unit

2129

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/17/06.
2. ☒ The allowed claim(s) is/are 1-3.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20060511.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**GEORGE B. DAVIS**  
**PRIMARY EXAMINER**

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***Examiner's Amendment/Statement of Reasons for Allowance***

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

**IN THE CLAIMS**

Cancel claim 8-20.

Claim 1, line 1, delete "A system of" and insert - - An - -.

Claim 1, line 1, after "intelligence" insert - - system - -.

Claim 1, line 2, delete "giving rise to" and insert - - of - -.

Claim 1, line 5, delete "events" and insert - - the events of geophysical recordings - -.

Claim 1, line 5, delete "procedures of a".

Claim 1, line 6, after "type" insert - - procedures - -.

Claim 1, line 9, delete "event" and insert - - events of geophysical recordings - -.

Claim 1, line 12, delete "event" and insert - - events of geophysical recordings - -.

Claim 1, line 13, delete "events" and insert - - the events of geophysical recordings - -.

2. Authorization for this examiner's amendment was given in a telephone interview with James Wu on May 11, 2006.

please enter  
5/11/06

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3. The following is an examiner's statement of reasons for allowance: The prior art Someya et al, U.S. Pat. No. 5267348 teaches fuzzy reasoning of rules for evaluating and modifying fuzzy knowledge system. However, the claimed invention teaches a neuro-fuzzy classifier branch for making decision from high level properties of the events of geophysical recordings and lower level parameters extracted from signals by signal processing type procedures and a fuzzy expert network for generating a decision from information and for explaining the decision to a user through rules selected by order of applicability of the events of geophysical recordings. Therefore, the prior art fails to teach or suggest a neuro-fuzzy classifier branch for making decision from high level properties of the events of geophysical recordings and lower level parameters extracted from signals by signal processing type procedures and a fuzzy expert network for generating a decision from information and for explaining the decision to a user through rules selected by order of applicability of the events of geophysical recordings.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

G. Davis

May 11, 2006

  
**GEORGE B. DAVIS**  
**PRIMARY EXAMINER**